

FIG. 1

Syntax	No. of Bits	Mnemonic
transport_packet {	8	bslbf
sync_byte	1	bslbf
transport_error_indicator	1	bslbf
payload_unit_start_indicator	1	bslbf
transport_priority	13	uimbf
PID	2	bslbf
transport_scrambling_control	2	bslbf
adaptation_field_control	4	uimbf
continuity_counter		
if(adaptation_field_control=='10'		
adaptation_field_control=='11'){		
adaptation_field()		
}		
if(adaptation_field_control=='01' adaptation_field_control=='11')		
{		
for(i=0;i<N;i++) {		
data_byte	8	bslbf
}		
}		

FIG. 2

00000000000000000000000000000000

Syntax	No. of Bits	Mnemonic
adaptation_field0 {	8	unisbf
adaptation_field_length		
if(adaptation_field_length>0) {	1	bslbf
discontinuity_indicator	1	bslbf
random_access_indicator	1	bslbf
elementary_stream_priority_indicator	1	bslbf
PCR_flag	1	bslbf
OPCR_flag	1	bslbf
splicing_point_flag	1	bslbf
transport_private_data_flag	1	bslbf
adaptation_field_extension_flag		
if(PCR_flag == '1') {	33	uimsbf
program_clock_reference_base	6	bslbf
reserved	9	uimsbf
program_clock_reference_extension		
}		
if(OPCR_flag == '1') {	33	uimsbf
original_program_clock_reference_base	6	bslbf
reserved	9	uimsbf
original_program_clock_reference_extension		
}		
if(splicing_point_flag == '1') {	8	tcimsbf
splice_countdown		
}		
if(transport_private_data_flag == '1') {	8	uimsbf
transport_private_data_length		
for (i=0; i<transport_private_data_length; i++){	8	bslbf
private_data_byte		
}		
}		
if(adaptation_field_extension_flag == '1') {	8	uimsbf
adaptation_field_extension_length		
Itw_flag	1	bslbf
piecewise_rate_flag	1	bslbf
seamless_splice_flag	1	bslbf
reserved	5	bslbf
if(Itw_flag == '1') {		
Itw_valid_flag	1	bslbf
Itw_offset	15	uimsbf
}		
if(piecewise_rate_flag == '1') {		
reserved	2	bslbf
piecewise_rate	22	uimsbf
}		
if(seamless_splice_flag == '1') {		
splice_type	4	bslbf
DTS_next_AU[32..30]	3	bslbf
marker_bit	1	bslbf
DTS_next_AU[29..15]	15	bslbf
marker_bit	1	bslbf
DTS_next_AU[14..0]	15	bslbf
marker_bit	1	bslbf
}		
for (i=0; i<N; i++) {		
reserved	8	bslbf
}		
}		
for(i=0; i<N; i++) {		
stuffing_byte	8	bslbf
}		
}		

FIG. 3

Transport Packet
 1 2 3 4 5 6 7 8 9 10
 Time Stamp

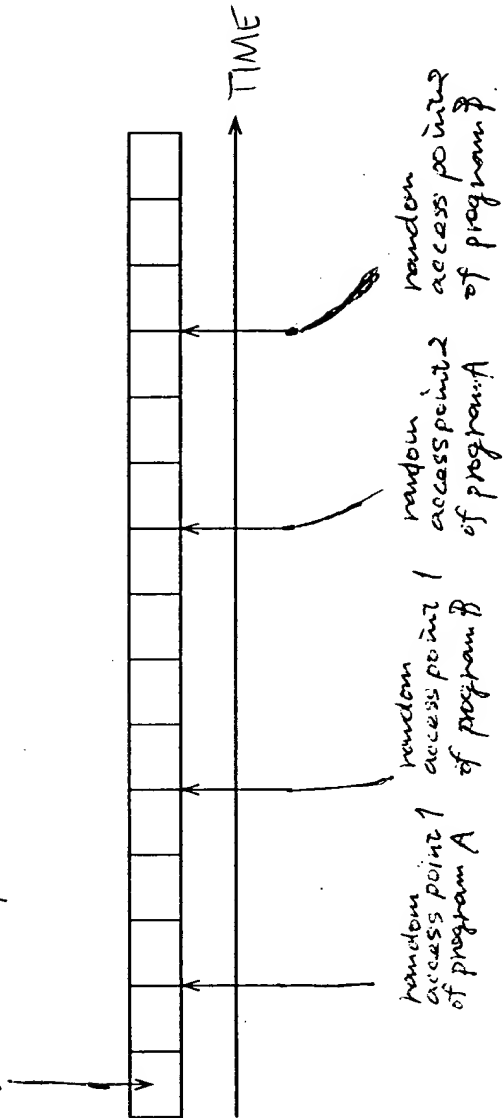


FIG. 4(A)

random access point list of video data

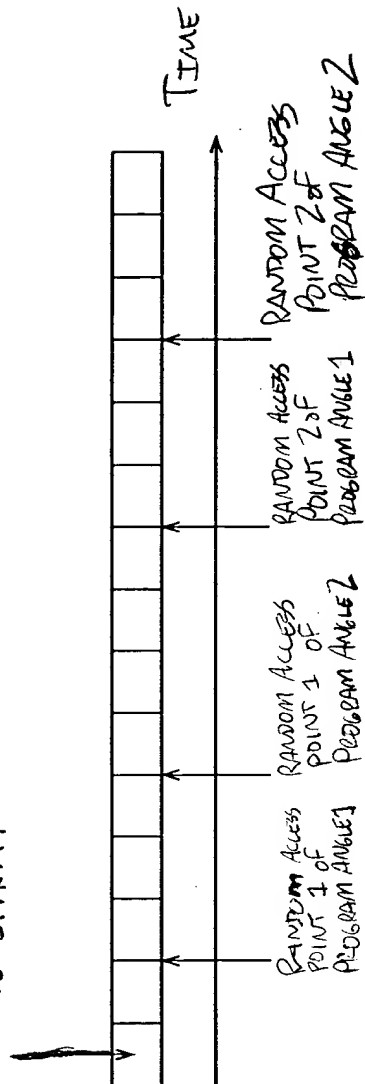
program A	program B
video packet PID	video packet PID

FIG. 4(B)

Timestamp and address of video access point 1
 Timestamp and address of video access point 2
 Timestamp and address of video access point 1
 Timestamp and address of video access point 2

TRANSPORT PACKET
AND TIME STAMP

FIG. 5(A)



PROGRAM 1

PROGRAM 1	
PID of video 1 packet	PID of video 2 packet
TIMESTAMP AND ADDRESS OF VIDEO ACCESS POINT 1	

FIG. 5(B)

6
6
6

Conditional Transport Stream File

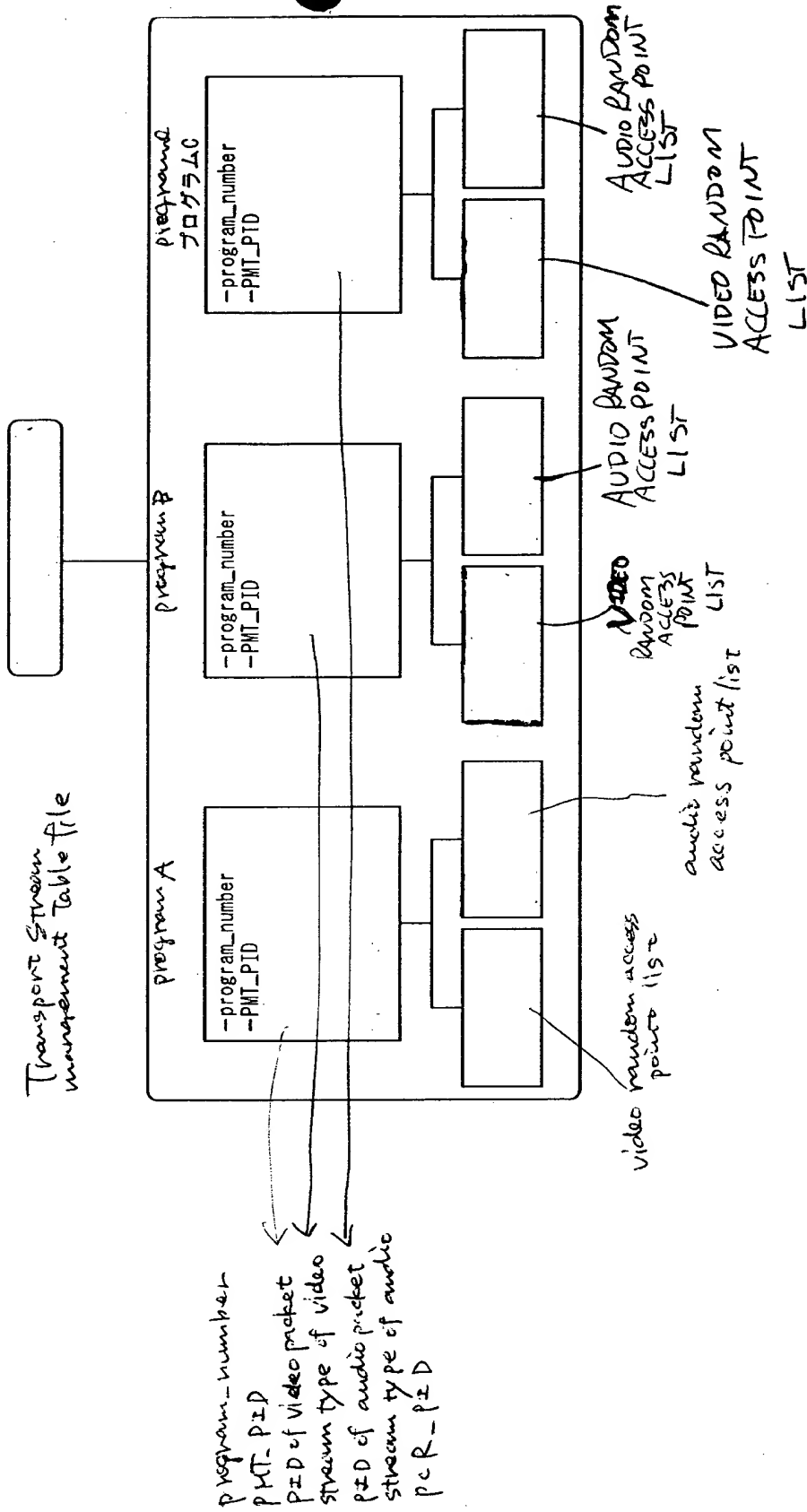
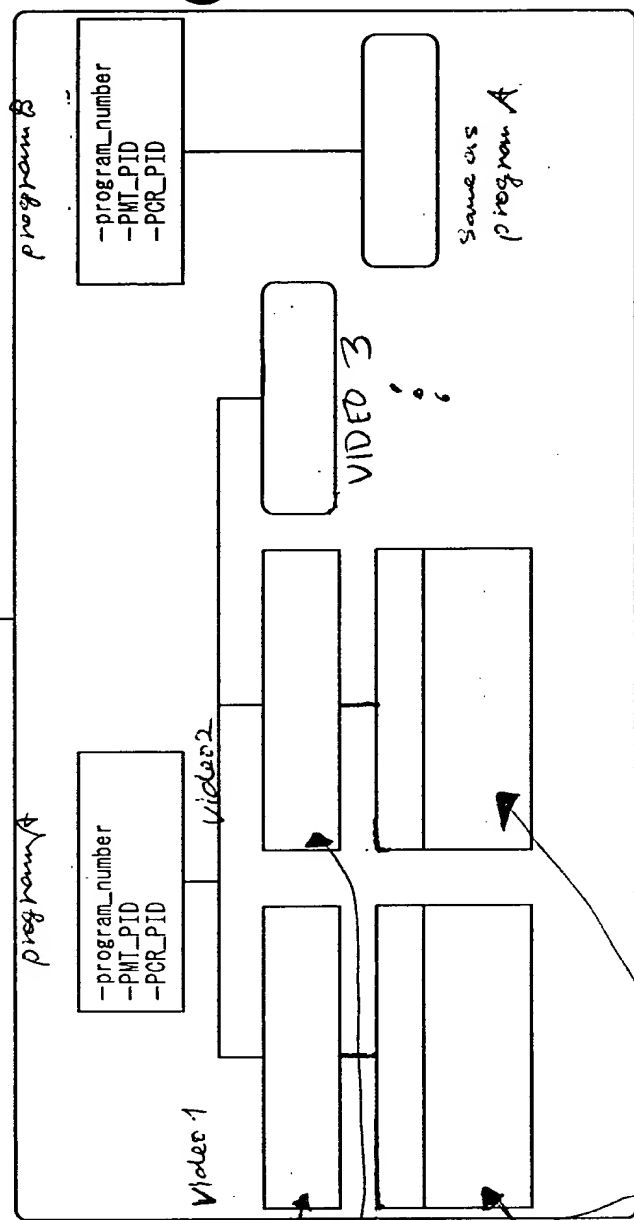


FIG. 6

transport stream file

Transport stream management table file



- packet PID of video stream type of video

random access point list
 Timestamp 1 address 1
 Timestamp 2 address 2
 ...

FIG. 7

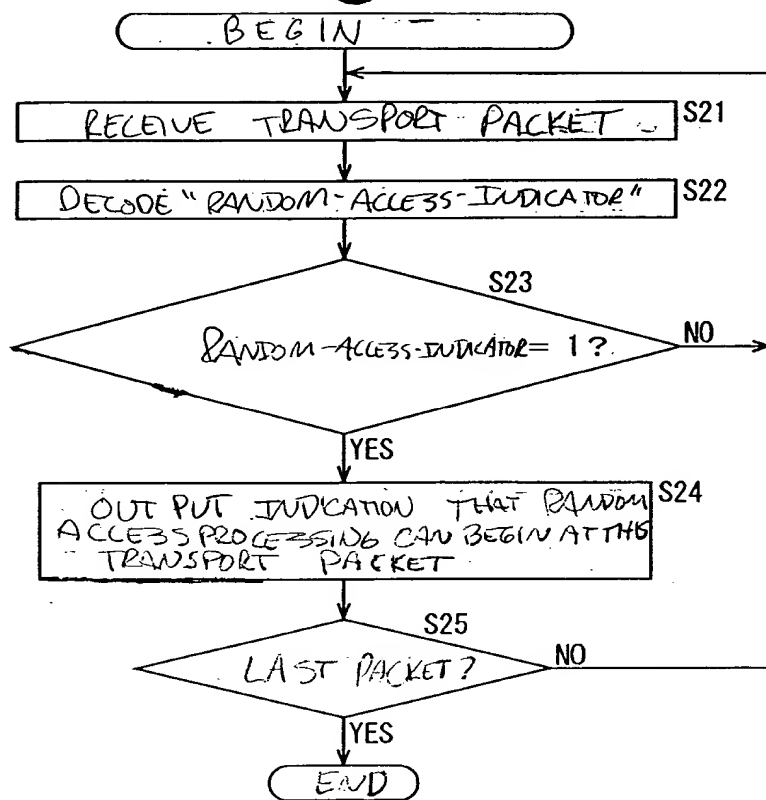


FIG. 9

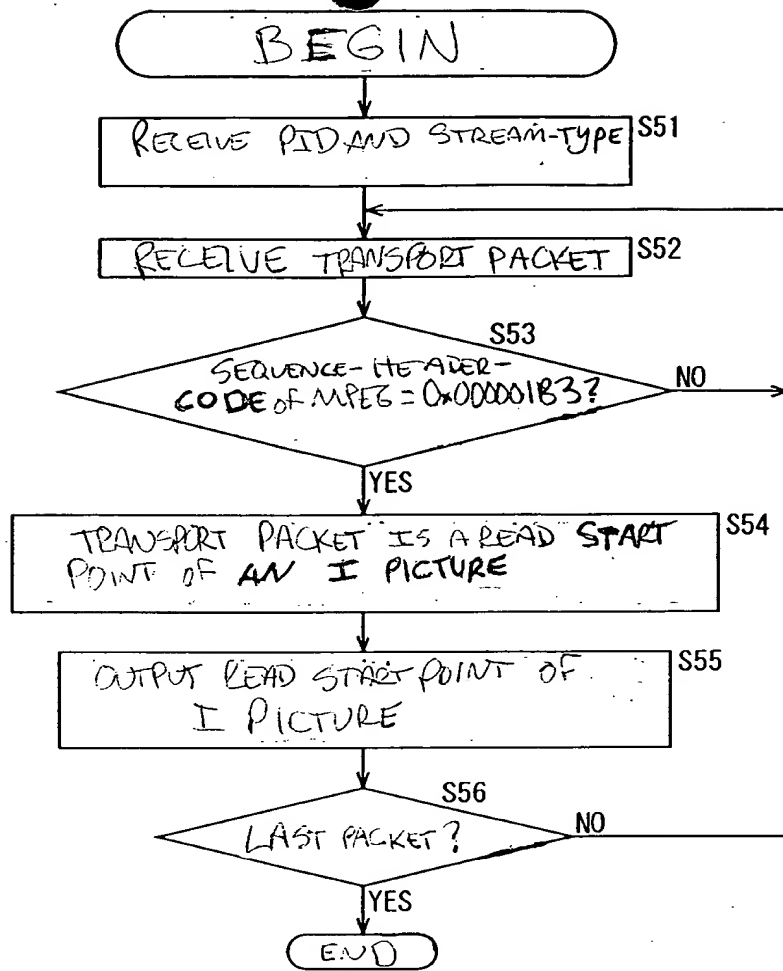


FIG. 10

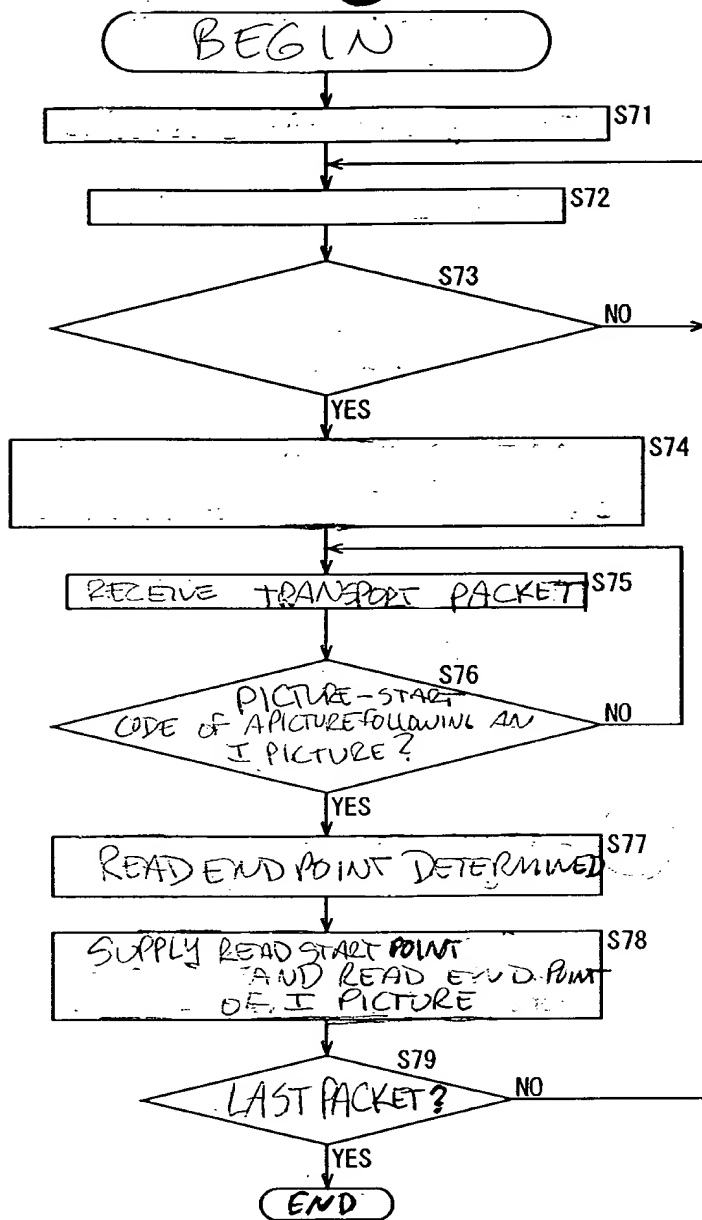


FIG. 11

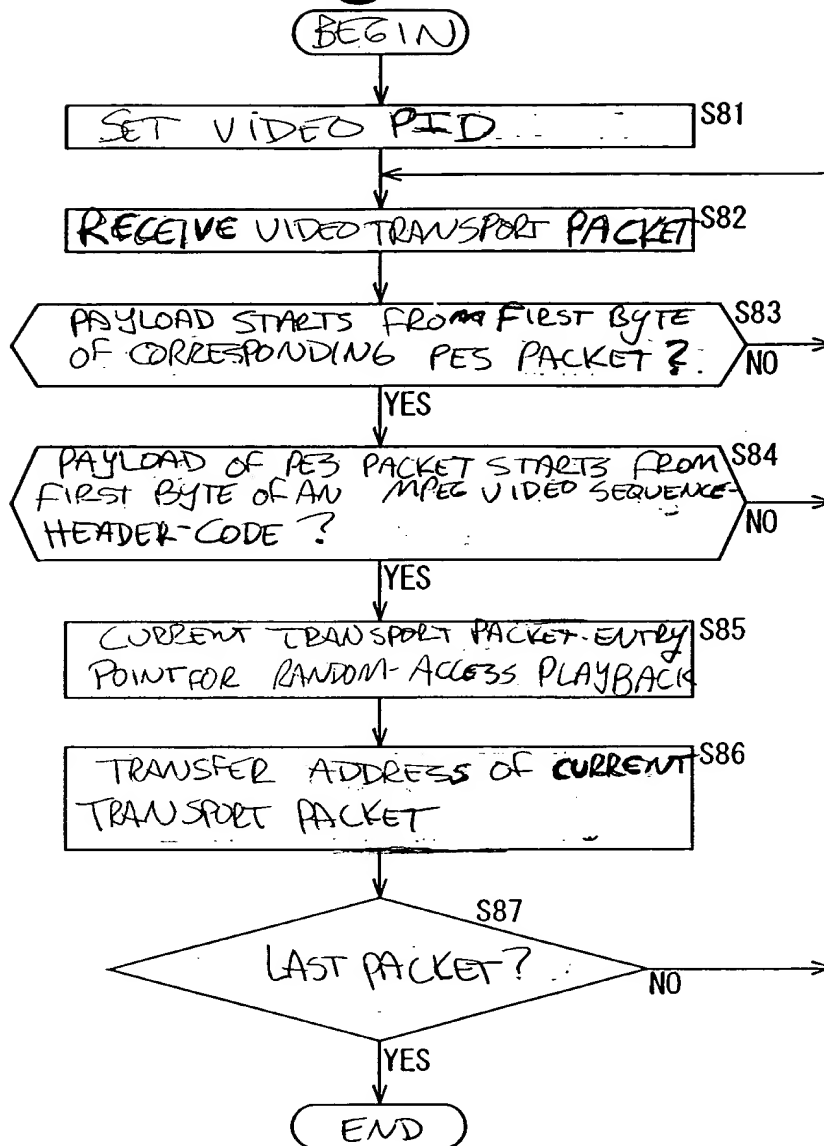


FIG. 12

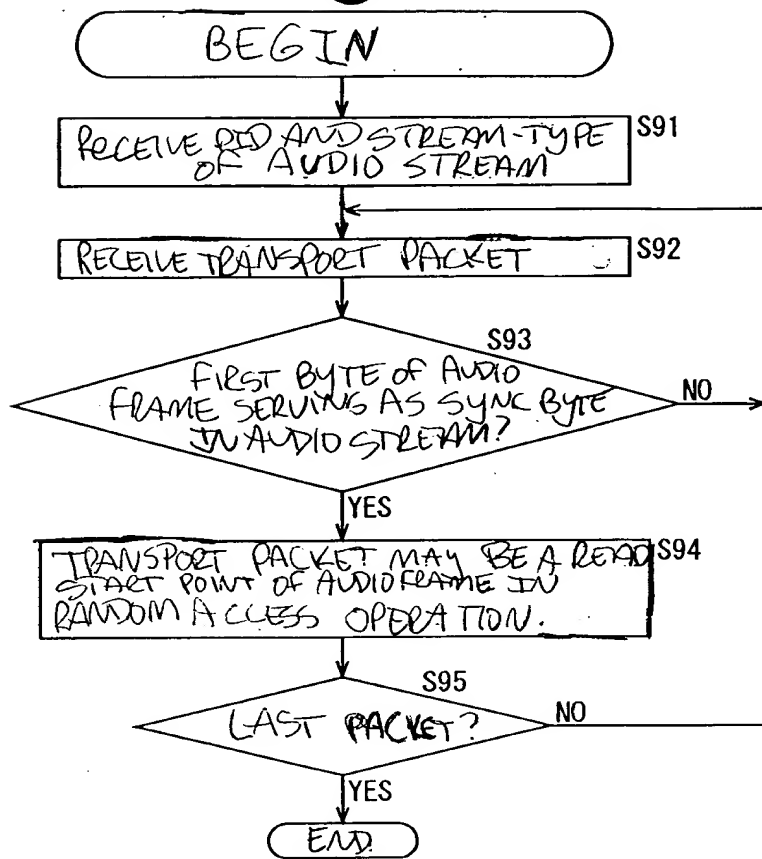


FIG. 13

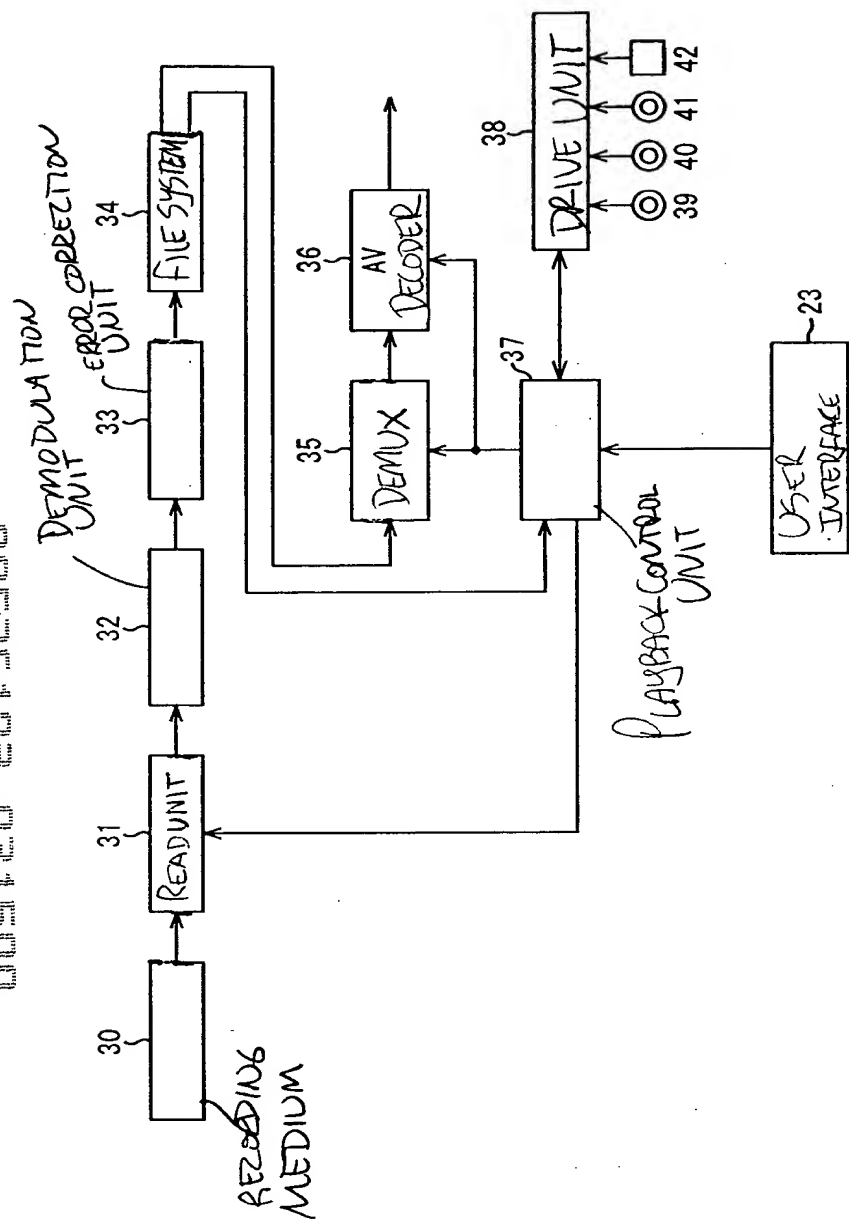


FIG. 14

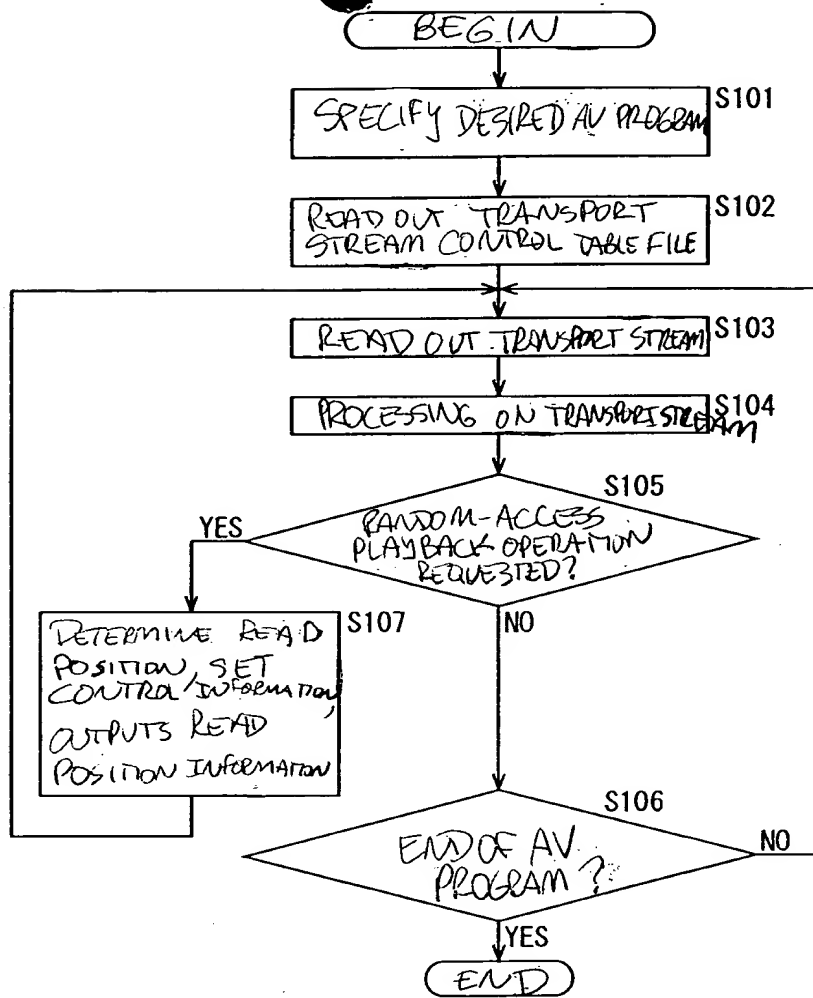


FIG. 15